

Title (en)

Arrangement for heating the wiper rest area of a vehicle windshield

Title (de)

Heizvorrichtung für die Wischerauflagefläche einer Fahrzeugwindscheibe

Title (fr)

Dispositif de chauffage pour la zone de repos d'un essuie-glaces de pare-brise de voiture

Publication

EP 0849977 A3 19981223 (EN)

Application

EP 97122353 A 19971218

Priority

US 76991396 A 19961219

Abstract (en)

[origin: EP0849977A2] The present invention provides a windshield with a heating arrangement to heat the wiper rest area of the windshield. The windshield includes first and second glass sheets secured together by an interlayer. A single, continuous resistance heating wire is secured between the glass sheets and makes multiple passes through a predetermined portion of the windshield generally corresponding to the wiper rest area such that the wire generates a desired power density within the predetermined portion to heat the wiper rest area. Opposing first and second ends of the wire extend to common connection area along an edge of the windshield and a connector secured to the wire ends provides for external electrical access to the wire. The wire may also extend along a marginal edge portion of the windshield generally corresponding to its A-post area. In one particular embodiment of the invention, an opaque ceramic band is bonded to a major surface of the second glass sheet, which forms the inner ply of the windshield, along its marginal edge portion such that the wire is not visible when the windshield is viewed through the second glass sheet. In addition, the wire may include a coating having a color that generally corresponds to the color of the opaque ceramic band to mask the appearance of the wire when the windshield is viewed through the first glass sheet. <IMAGE>

IPC 1-7

H05B 3/84; **B60S 1/02**

IPC 8 full level

H05B 3/86 (2006.01); **B32B 17/06** (2006.01); **B60S 1/02** (2006.01); **B60S 1/04** (2006.01); **H05B 3/02** (2006.01); **H05B 3/12** (2006.01); **H05B 3/28** (2006.01); **H05B 3/84** (2006.01)

CPC (source: EP US)

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Citation (search report)

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